Nitrate-N (≤ 10 mg/L) Nitrite (2.7 μg/L) [NUM]	Chlorophyll a: no greater than 40 µg/L for lakes, reservoirs, and other waters subject to growths of macroscopic or microscopic vegetation not designated as trout waters, and no greater than 15 µg/l for lakes, reservoirs, and other waters subject to growths of macroscopic or microscopic vegetation designated as trout waters (not applicable to lakes and reservoirs less than 10 acres in surface area). [NUM]		In HQW and ORW where nutrient overenrichment is projected to be a concern, appropriate effluent limitations shall be set for phosphorus or nitrogen, or both. [NAR] 15A NCAC 02B .0223 Nutrient strategies applicable to Nutrient Sensitive Waters shall be developed by the Commission to control the magnitude, duration, or frequencies of excessive growths of microscopic or macroscopic vegetation so that the existing and designated uses of the waterbody are protected or restored. [NAR]	than 5.0 mg/L for minimum
Nitrate+Nitrite (≤ 10mg/L) for municipal/domestic dinking water supply waters; (1 mg/L) for class I streams Nitrite (≤ 1.000 µg/L) human health [NUM]	Elemental P (0.1 µg/L) for saltwater aquatic life. [NUM]		State has specific nur specific water bodies 9.5 mg/L. [NUM]	neric DO criteria for anging from 5.0-
State has specific numeric N criteria for specific lakes and impounded waters ranging from ≤ 520 μg/L-1980 μg/L. [NUM] Nitritle-N (≤ 1mg/L); Nitrate-N (≤ 10mg/L). State has specific numeric P criteria for specific lakes and impounded waters ranging from ≤ 520 μg/L-1980 μg/L. [NUM] 7	State has specific numeric chlorophyll a criteria for specific lakes and impounded waters ranging from 5-44 µg/L. [NUM]		State has specific nur specific water bodies 9.5 mg/L. [NUM]	ieric DO criteria for anging from 3.0-
Nitrates (≤ 10 mg/L) human health criteria. [NUM]	See varia	ee eutrophication and other response priables. [NAR] Existing discharges containing either phosphorus or nitrogen which encourage cultural eutrophication shall be treated to remove phosphorus or nitrogen to ensure attainment and maintenance of water quality standards. There shall be no new or increased discharge(s) containing phosphorus or nitrogen to tributaries of lakes or ponds that would contribute to cultural eutrophication or growth of weeds or algae in such lakes and ponds. [NAR]	State has specific nur specific water bodies 9.5 mg/L and 75% sat	anging from 5.0-
Nitrate-N (≤ 2 mg/L) in Pineland Waters; Nitrates ≤ (10,000 µg/L). [NUM] Nitrates ≤ (10,000 µg/L). [NUM] 2	nutric concursus unsu unsu unsu unsu unsu unsu su s	coept as due to natural conditions, trients shall not be allowed in incentrations that render the waters issuitable for the existing or designated esisting the existing or designated esisting to the existing to the ex	State has specific nur specific water bodies 7.0 mg/L. [NUM]	
Nitrates in domestic water supply (≤ 10 mg/L). Nitrate+Nitrite in livestock watering (≤ 132 mg/L). [NUM] 6	caus cond unde dom	ant nutrients from other than natural uses shall not be present in somentrations that will produce idesirable aquatic life or result in a siminance of nuisance species in irface waters of the state. [NAR]	State has specific nur specific water bodies 6.0 mg/L. [NUM]	neric DO criteria for anging from 4.0-
State has specific numeric N criteria for specific numeric N criteria for specific water bodies ranging from ≤ 0.25 specific water bodies ranging from ≤ 10 mg/L to 100 mg/L for Nitrates and for Nitrates and for Nitrates ≤ 0.06 mg/L to 10 mg/L for Nitrates and for Nitrates ≤ 0.06 mg/L to 10 mg/L for Nitrates ≤ 0.06 mg/L to 10 mg/L for Nitrates ≤ 0.06 mg/L for Nitrates ≤	ric P criteria for Specific soluble P, TN, nitrite, TN soluble inorganic numeric criteria for Lake Tahoe. [NUM]		State has specific nur specific water bodies 8.0 mg/L. [NUM]	ieric DO criteria for anging from 3.0-
Nitrities \$ 0.06 mg/L to 10 mg/L [NUM]				

State has specific numeric turbidity	All standards except toxics and	Nutrient Offset requirements in Standards for Nutrient
riteria for specific water bodies ranging om 10-50 NTU. [NUM]	aesthetics use 7Q10 flow	Sensitive waters. Tar Pam dischargers must reduce TN and TP discharges by 30% from 1991 annual
		average. And any expansions cannot increase annual average discharge about 70%. Neuse River discharger
		reduce total load of TN by 30%. Permit limits based on flow and weather or not the facility is new or expanding. Effective November 26, http://water.epa.gov/scitech/s
		For other Nutrient Sensitive waters NC rule spells out a plan and BMP to be used in each watershed. Wauidance/standards/wqslibra Effective April 1, 2003 wquish. Effective April 1, 2003 wq/ps/csu/swstandards wq
		plant and diviril to be used in each watersned.
Free from floating debris, oil, scum, and other floating materials attributable to municipal, industrial, or other		The standard for nitrates (1 mg/L) is an interim guideline limit.
discharges or agricultural practices in sufficient amounts to be unsightly or deleterious; practices producing color,		In addition, these nutrient parameters are guidelines for use as goals in any lake or reservoir improvement or http://water.epa.gov/scitech/s http://www.legis.nd.gov/info
odor, or other conditions to such a degree as to create a		maintenance program: 0.25 mg/L for NO3 as N and Effective June 15, 2001 wguidance/standards/wqsibra Effective June 1, 2001 rmation/acdata/pdf/33-16- Link on ND Dept. of Health does not exist.
nuisance or render any undesirable taste to fish flesh or, in any way, make fish inedible. [NAR]		0.02 mg/L for PO4 as P. ry/nd_index.cfm 02.1.pdf
See "Free froms" [NAR] This use applies to all surface waters of the state. To be aesthetically acceptable, waters shall be free from		
human-induced pollution which causes: noxious odors; floating, suspended, colloidal, or settleable materials that		
produce objectionable films, colors, turbidity, or deposits; and the occurrence of undesirable or nuisance aquatic		Effective September 30, 2010 http://water.epa.gov/scitech/s wguidance/standards/wgslibra Effective April 1, 2012 http://www.deq.state.ne.us/RuleAndR.nsf/pages/117-
life (e.g., algal blooms). Surface waters shall also be free		2010 wguidancerstandards/wgsiora ry/ne_index.cfm cliebtive April 1, 2012 return April 1, 2012
of junk, refuse, and discarded dead animals. [NAR]		
Class A waters shall contain no turbidity, All surface waters shall be free from substances in kind unless naturally occurring. [NAR] All surface waters shall be free from substances in kind or quantity which: Float as foam, debris, scum, or other		
visible substances; Produce odor, color, taste or turbidity Class B waters shall not exceed naturally which is not naturally occurring and would renderit		
which is not had any occurring conditions by more than 10 unsuitable for its designated uses; Result in the dominance of nuisance species; or Interfere with		
recreational activities. [NAR]		Effective December 12, http://water.epa.gov/scitech/s
		Mguidance/standards/wqslibra 2010 On/commissioner/legal/rule S/index.htm#waterq S/index.htm#waterq
State has specific suspended soilds Floating, colloidal, color and settleable solids; petroleum		Developed New Jersey Nutrient Criteria Enhancement
criteria ranging from 25-40 mg/L. [NUM] hydrocarbons and other oils and grease - none None of which would render the water noticeable in the water or deposited along the shore or on		Plan
unsuitable for the designated uses. [NAR] the aquatic substrata in quantities detrimental to the State has specific turbidity criteria ranging natural biota. None which would render the waters		
rom 10-50 NTU. [NUM] unsuitable for the designated uses. [NAR]		Pe-adopted November 16
		http://water.epa.gov/scitech/s wguidance/standards/wgsilibra ry/nj index.cfm
		ry/nj_index.cfm (43 N.J.R. 833(a))
Turbidity attributable to non-natural Surface waters of the state shall be free of oils, scum, grease and other floating materials resulting from other		
ransmission to the point that the normal than natural causes that would cause the formation of a growth, function or reproduction of visible sheen or visible deposits on the bottom or		
quatic life is impaired or that will cause shoreline, or would damage or impair the normal growth,		
substantial visible contrast with the function or reproduction of human, animal, plant or latural appearance of the water. [NAR] aquatic life. Color-producing materials resulting from		
other than natural causes shall not create an urbidity to increase more than 10 NTU aesthetically undesirable condition nor shall color impair		
over background turbidity when the the use of the water by desirable aquatic life presently background turbidity, measured at a point common in surface waters of the state. Water		
mmediately upstream of the activity, is 50 contaminants from other than natural causes shall be		
ITU or less, nor to increase more than limited to concentrations that will not result in offensive 0 percent when the background turbidity odor or taste arising in a surface water of the state or		http://water.epa.gov/scitech/s Effective December 29, wguidance/standards/upload/2 2000 http://www.nmenv.state.nm us/swgb/Standards/index.h
s more than 50 NTU. However, limited- luration turbidity increases may be [NAR]		2006 007_04_05_standards_wgslibr ary_nm_nm_6_wgs_pdf
Illowed provided all practicable turbidity ontrol techniques have been applied and		City Tith Tith O WQS poi
Il appropriate permits, certifications and		
pprovals have been obtained. [NUM]		
iee "Free froms" [NAR] Waters must be free from materials attributable to domestic or industrial waste or other controllable		
riteria for specific water bodies ranging sources in amounts sufficient to produce taste or odor in		
rom 10-50 NTU and 10 NTU/JTU above the water or detectable off-flavor in the flesh of fish or in amounts sufficient to change the existing color, turbidity		
or other conditions in the receiving stream to such a degree as to create a public nuisance or in amounts		http://water.epa.gov/scitech/s Effective May 15 2007
sufficient to interfere with any beneficial use of the water.		Effective May 15, 2007 wguidance/standards/wgslibra ry/nv_index.cfm 2008 http://ndep.nv.gov/bwqp/std sw.htm
State has specific numeric color criteria for specific		
water bodies ranging from 10 PCU above natural conditions to ≤ 75 PCU. [NUM]		

NY 2	Nitrate and Nitrate+Nitrite (≤ 10,000 µg/L) [NUM]		No nutrients allowed in amounts that will result in growths of algae, weeds and slimes that will impair the waters for their best usages. [NAR]		State has specific numeric DO criteria for specific water bodies ranging from 3.0-7.0 mg/L. [NUM]
OH 5	Individual basin standards provide Nitrate+Nitrite (10 mg/L, 10,000 μg/L) and Nitrite-N (1.000 μg/L) human health oriteria [NUM]		EPA: OH 3745-1-04(E): Free from nutrients entering the waters as a result of human activity in concentrations that create nuisance growths of aquatic weeds and algae. [NAR] Wetland Criteria: Water quality shall be protected to prevent conditions conducive to the establishment or proliferation of nuisance organisms. [NAR]		Wetland Criteria: The hydrology necessary to support the biological and physical characteristics naturally present in wetlands shall be protected to prevent significant adverse impacts on: chemical, nutrient and dissolved oxygen regimes of the wetland. [NAR]
OK 6	EPA: 785:45-5-10(8) Phosphorus numeric criterion applicable to certain waters (TP= 0.0141 mg/L-0.0168 mg/L), [NUM] 785:45-5-19.(c)(2). The 30 day geometric mean TP concentration in waters designated "Scenic River" in Appendix A shall not exceed (0.037 mg/L). [NUM]		EPA: OK 785:45-5-10(7). The long term average concentration of chlorophyll-a at a depth of 0.5 meters below the surface shall not exceed (0.010 mg/L) in certain public/private water supplies. Wherever such criterion is exceeded, numerical phosphorus or nitrogen criteria or both may be promulgated. [NUM]		EPA: 785:45-5-4.(b). When numerical criteria do not apply, water column conditions including dissolved oxygen concentrations, organoleptic compounds, nutrients, and oil and grease shall be maintained to prevent nuisance conditions caused by man's activities. [NAR]
OR 10	EPA: OR Table 20. Nitrates HH water, fish ingestion and drinking water (10 mg/L) [NUM]	EPA: OR 340-041-0225(3). Elemental P Marine Chronic (0.1 µg/L) average concentration for 96 hours (4 days), and that these criteria should not be exceede more than once every three (3) years, TP (241, 123 lbs/year), Multiple Phosphorus TMDLs. [NUM]	EPA: 340-041-0019 For lakes, reservoirs, estuaries and streams, and excluding ponds and reservoirs less than ten acres in surface area, marshes and saline lakes: the following average Chlorophyll a values must be used to identify water bodies where phytoplankton may impair the recognized beneficial uses: Natural lakes that thermally stratify: (0.01 mg/L); Natural lakes that do not thermally stratify, reservoirs, rivers and estuaries: (0.015 mg/L) [NUM]		
PA 3	EPA: PA 25 chapter 93.7(a) Nitrate + Nitrate as N (10 mg/L) for public water supply. [NUM]				EPA: PA.93.7(a) For specific classes DO (min 4-7mg/L, daily average 5-6 mg/L) [NUM]
PR 2	EPA: PR Rule 1303.1.1.1 Nitrate+Nitrite as N Class SD and SG (10,000 µg/L) for drinking water [NUM] Nitrate as N Nitrogen Class SG: (1,000 µg/L) for drinking water [NUM] Nitrate as N Nitrogen Class SG: (1,000 µg/L) for drinking water [NUM] Nitrate as N Nitrogen Class SG: (1,000 µg/L) for drinking water intakes or estuarine waters except when it is demonstrated to the satisfaction of the Board that a higher value of total phosphorus in combination with prevailing nitrogen derived nutrients will not contribute to eutrophic conditions in the water body. [NUM]				EPA PR 1303.2. For specific classes DO (min 4-5 mg/L) [NUM]
RI 1	exceedance of this phosphorus criteria, except as naturally occurs, unless the Director determines, on a site-specific basis, that a different value for phosphorus	wastes containing phosphates will not be permitted into or immediately upstream of lakes or ponds. Phosphates shall be removed from existing discharges to the extent that such removal is or may		EPA: RI 8.D.(1)(d). Nutrients shall not exceed the limitations specified in rule 8.D.(2) and 8.D.(3) and/or more stringent site-specific limits necessary to prevent or minimize accelerated or cultural eutrophication. [NAR] EPA: RI 8.D(3)10. Total phosphorus, nitrates and ammonia may be assigned site-specific permit limits based on reasonable Best Available Technologies. Where waters have low tidal flushing rates, applicable treatment to prevent or minimize accelerated or cultural eutrophication may be required for regulated nonpoint source activities. [NAR]	EPA: RI 8.D. (2)10. and 3(10) None (nutrients) in such concentration that would impair any usages specifically assigned to said Class, or cause undesirable or nuisance aquatic species associated with cultural eutrophication, nor cause exceedance of the criterion. [NAR]

substantial visible contrast to natural conditions. Suspended solids - none from sewage, industrial wastes or other wastes that w	Taste, color, and odor-producing, toxic and other deleterious substances - none in amounts that will adversely affect the taste, color or odor thereof, or impair the waters for their best usages. [NAR] Color shall not exceed 15 color units (platinum-cobalt method). Odor shall not exceed a threshold odor number of 3. [NUM]	Nutrient Standard Plan (revi water quality guidance value	ue of 20 µg/L for phosphorus.	http://water.epa.gov/scitech/s 2008 wguidance/standards/wqslibra ry/ny_index.cfm	http://www.dec.ny.gov/regs 4590.html	<u> 1</u>	
	N/A	Nuisance organisms, as that term is defined in rule 3745-1-50 of the Administrative Code.	Effective: October / 1998 Rule review date: 3. Prior effective dates 2/14/78, 4/4/85	http://water.epa.gov/scitech/s wguidance/standards/wqslibra s: Review dates: 03/29/2007 and 03/29/2012	http://www.epa.state.oh.us/ dsw/wqs/index.aspx	Wetland criteria: Effective: May 1, 1998, Review date: May 1, 2003 Lake Erie and Ohio Basin Drainage Plans: 2002, las updated on October 20, 2009	EPA has outdated information: http://www.epa.gov/r5water/wqs5/decisions.htm#OH t WQS packages to EPA for approval.
	N∕A		1/12/2012	http://water.epa.gov/scitech/s wguidance/standards/upload/o kwgs_chapter45.pdf	http://www.owrb.ok.gov/util. rules/pdf_rul/RulesCurrent2 011/Ch45-Current2011.pdf	Same for both EPA and state. 2012 EPA Review: The following new provisions are currently under review by EPA: • 785:45-5-12(f)(1)(D)(v) - Dissolved Oxygen, Support tests for WWAC lakes. • 785:45-5-12(f)(1)(D)(vii) - Dissolved Oxygen, Water Column criteria for WWAC lakes. All other provisions in this document have been approved by the EPA and are in effect for Clean Water Act purposes.	
	NA	deepest point of a lake or re flow of a river) from sample surface to a depth equal to the bottom (the lesser of the	other methods approved by um of three samples consecutive months at a cative location (e.g., above the eservoir or at a point mides integrated from the two depths); analytical and s must be in accordance with Standard Methods for the		http://arcweb.sos.state.or.u s/pages/rules/oars_300/oai _340/340_041.html		
TDS for PWS 500 mg/l as a monthly average value; maximum 750 mg/l. [NUM]	EPA: PA 25 section 93.6(a) Water may not contain substances attributable to point or non point source discharges in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life. [NAR] (b) In addition to other substances listed within or addressed by this chapter, specific substances to be controlled include, but are not limited to, floating materials, oil, grease, scum and substances that produce color, tastes, odors, turbidity or settle to form deposits. [NAR] EPA: PA 93.7(a) For PWS Color Maximum 75 units on the platinum-cobalt scale; no other colors perceptible to the human eye. [NUM] [NAR]	EPA PA 93.9: Notes of Dec contemplate that the Depar degree to which phosphoru impairment designated use and may impose more strin necessary. Neshaminy Wa Department of Environment 513A.2d979.981 (Pa.1986).	irtment will evaluate the us contributes to the es on a case-by-case basis ngent limitations where ater Resources Authority v. intal Resources,	The provisions of this Chapter 93 adopted September 10, 1971, effective September 11, 1971, 1 Pa.B. 1804; amended September 7, 1979, effective October 8, 1979, 9 Pa.B. 3051, unless otherwise noted. Webpage list separate dates for each section.			
	EPA: PR 1303.1.A. Solids and Other Matter The waters of Puerto Rico shall not contain floating debris, scum or other floating materials attributable to discharges in amounts sufficient to be unsightly or deleterious to the existing or designated uses of the water body. [NAR] B. Color, Odor, Taste and Turbidity The waters of Puerto Rico shall be free from color, odor, taste or turbidity attributable to discharges in such a degree as to create a nuisance to the enjoyment of the existing or designated uses of the water body. [NAR]	nutrients causing excessive growth of olders and other squetie plants in the	rare used as source of applicable water quality fater (DW) or Human Health bund waters that flow into plicable water quality s is the most stringent criteria son between the standard tion of the water body into	http://water.epa.gov/scitech/s wguidance/standards/wqslibra ry/pr_index.cfm	0y%20Reglamentos/Reglamentos/Water mentos/Reglamentos/Water r%20Quality%20Standards	The original Water Quality Standards Regulation was filed in the Department of State on January 4, 1974, and subsequent amendments were made on May 1974, October 1976 and February 1983, 1 November 1987, July 1990, and March 2003	Same WQS for both EPA and state.
	NA		July 2006 Amended May 2009	http://water.epa.gov/scitech/s wguidance/standards/wqsiibra ry/upload/riwqs.pdf Amended December 2010	http://www.dem.ri.gov/pubs regs/regs/water/h2oq10.pd	EPA does not have most recent.	

SC 4	EPA: SC Section E.11 b. Ecoregional Nitrogen standards (shall not exceed 0.35-Phosphorus standards (shall not exceed 0.02-0.09 mg/L) [NUM] 0.02-0.09 mg/L) [NUM]	EPA SC Section E.11.a. Discharges of nutrients from all sources, including point and nonpoint, to waters of the State shall be prohibited or limited if the discharge would result in or if the waters experience growths of microscopic or macroscopic vegetation such that the water quality standards would be violated or the existing or classified uses of the waters would be impaired. [NAR]	
SD 8	EPA: SD 74:51:01:44. Nitrates-N for domestic water supply (less than 10 mg/L) [NUM] EPA:SD 74:51:01:52. Nitrates-N for fish and wildlife propagation, recreation and stock watering (less than 50 mg/L 30-day average. 88 mg/L daily max) [NUM]		EPA SD 74:51:01:45. State has specific numeric DO criteria for specific water classes ranging from (min 4-7 mg/L) [NUM]
TN 4	EPA: TN Rule 1200-4-3- 08 Groundwater Nitrate-N (10 0 mg/L); Nitrite-N (1.0 mg/L) Total Nitrate+Nitrite (10.0 mg/L) (as Nitrate) [NUM]	EPA: TN Rule 1200-4-303(4)(i) Site specific Chlorophyll a (18 µg/L) April - September. [NUM] EPA: TN Rule 1200-4-303(4)(i) Site concentrations that stimulate aquatic plant and/or algae growth to the extent that the public's recreational uses of the waterbody or other downstream waters are detrimentally affected. [NAR]	EPA: TN Rule 1200-4-303 (3)(k) For Fish and Aquatic Life: The waters shall not contain nuttients in concentrations that stimulate aquatic plant and/or algae growth to the extent that aquatic habitat is substantially reduced and/or the biological integrity fails to meet regional goals. Additionally, the quality of downstream waters shall not be detrimentally affected. Interpretation of this provision may be made using the document Development of Regionally-based Interpretations of Tennessee's Narrative Nutrient Criterion and/or other scientifically defensible methods. [NAR]
Nitrate-N (as TN) (10, human health - water	000 μg/L) MCL and fish. [NUM]	Numeric chlorophyll a criteria for specific reservoirs range from (2.15-53.05 µg/L). [NUM]	Nutrients from permitted discharges or other controllable sources must not cause excessive growth of aquatic vegetation that impairs an existing, designated, presumed, or attainable use. [NAR] Dissolved oxygen concentrations must be sufficient to support existing, designated, presumed, and attainable aquatic life uses. [NAR] Do criteria based on aquatic life use subcategory and freshwater/saltwater with mean values ranging from (2.0-6.0 mg/L) and minimum values ranging from (1.5-5.0 mg/L). [NUM] State has specific DO criteria for specific waters ranging from (1-6 mg/L) 24 hour minimum. [NUM]
UT 8	Nitrates-N (10 mg/L) for domestic source. [NUM]		For aquatic wildlife: numeric values ranging from (3.0-9.5 mg/L) depending on water use (CWF, WWF, non-game fish, and waterfowl); sampling frequency (30 day avg., 7 day avg., or minimum value); and whether early or late life stages are present. [NUM] Site-specific criteria depending on time of year and sampling frequency. [NUM]
VA 3	Nitrate-N for public water supply/human health (10,000 µg/L). [NUM] CB: State has specific numeric TP criteria for lakes/reservoirs (received algicide) ranging from (10-40 µg/L), not to exceed 0.1 mg/L monthly avg and embayments [NUM]	Elemental Phosphorus (chronic saltwater) (0.1 µg/L). [NUM] CB: State has specific numeric chlorophyll a criteria for lakes/reservoirs (10-60 µg/L). [NUM] Concentrations of chlorophyll a in free-floating microscopic aquatic plants (algae) shall not exceed levels that result in undesirable or nuisance aquatic plant life, or render tidal waters unsuitable for the propagation and growth of a balanced, indigenous population of aquatic life or otherwise result in ecologically undesirable water quality conditions. [NAR]	Numeric DO, varies by Class and type of water (4-7 mg/L). [NUM] Chesapeake Bay: DO instantaneous minimums for specific water use ranging from (1-5 mg/L). [NUM] (Seasonal and range from 0 - 15,901 SAV acres). [NUM]
VI 2	TP shall not exceed 50 µg/L in any waters. [NUM]		Not less than 5.5 mg/L in Class B waters and 5.0 mg/L in Class C waters from other than natural conditions. [NUM]

NA	Aquatic life criteria use the 7Q10 design flow or tidal conditions.		EPA: SC Section E.b. Numeric nutrient criteria for lakes are based on an ecoregional approach which takes into account the geographic location of the lakes within the State. Numeric criteria are applicable to lakes of 40 acres or more. Lakes of less than 40 acres will continue to be protected by the narrative criteria. [NAR] c. In evaluating the effects of nutrients upon the quality of lakes and other waters of the State, the Department may consider, but not be limited to, such factors as the hydrology and morphometry of the waterbody, the existing and projected trophic state, characteristics of the loadings, and other control mechanisms in order to protect the existing and classified uses of the waters. [NAR] d. The Department shall take appropriate action, to include, but not limited to: establishing numeric effluent limitations in permits, establishing Total Maximum Daily Loads, establishing waste load allocations, and establishing load allocations for nutrients to ensure that the lakes attain and maintain the above narrative and numeric criteria and other applicable water quality standards. [NAR]	6/25/2004	http://water.epa.gov/scitech/s wguidance/standards/wqslibra ry/upload/2006_02_01_standa rds_wqslibrary_sc_sc_4_wqs_ pdf	http://www.scdhec.gov/environment/water/regs/r61-68.pdf EPA does not have most recent.	
EPA: 74:51:01:05-12. Materials which produce nuisance aquatic life, cause pollutants to form, produce undesirable taste or odor, or are visible pollutants may not be discharged or mused to be discharged into surface waters of the state in concentrations that impair a beneficial use or create a human health problem or impair the aquatic community. [NAR]				Effective January 27, 1999 Date of upload 11/21/2003	http://water.epa.gov/scitech/s wguidance/standards/wgslibra ry/upload/2003_11_21_standa rds_wqslibrary_sd_sd_8_7451 .pdf	http://legis.state.sd.us/rules /DisplayRule.aspx?Rule=74 :51:01	
EPA: TN Rule 1200-4-3-03(1)(f) There shall be no turbidity or color in amounts or characteristics that cannot be reduced to acceptable concentrations by conventional water treatment processes. [NAR] EPA: TN Rule 1200-4-3-03(3)(d) There shall be no turbidity, total suspended solids, or color in such amounts or of such character that will materially affect fish and aquatic life. In wadeable streams, suspended solid levels over time should not be substantially different than conditions found in reference streams. [NAR]	Cr to cc	Conventional Water Treatment - Conventional water treatment as referred o in the criteria denotes oagulation, sedimentation, filtration, and hlorination or disinfection.		Effective 3/27/08	http://water.epa.gov/scitech/s wguidance/standards/wqslibra ry/upload/2008_05_22_standa rds_wqslibrary_tn_nutrient- criteria-tn-rule.pdf	http://www.tn.gov/sos/rules/ 1200/1200-04/1200-04- 03.20110531.pdf EPA does not have most recent.	
See "free froms" [NAR] Surface water must be essentially free of floating debris and suspended solids, changes from ambient conditions of turbidity or color, and concentrations of taste and odor producing substances. [NAR]			Nutrient Criteria Development Work Plan for the State of Texas - revised and submitted on November 27, 2006.	Effective June 29, 201	http://water.epa.gov/scitech/s wguidance/standards/wqslibra ry/tx_index.cfm	http://www.tceq.texas.gov/ waterquality/standards/eq swqs.html#hutrient-criteria- development	WQS packages to EPA for approval for chlorophyll a only.
Numeric increase in turbidity for recreation and aesthetics/CWF/WWF (10 NTU); non-game fish/waterfowl (15 NTU). Substance in such a way as will be or may become offensive such as unnatural deposits, floating debris, oil, scum or other nuisancees such as color, odor or taste; or cause conditions which produce undesirable aquatic organisms; or result in concentrations or combinations of substances which produce undesirable physiological responses in desirable resident fish, or other desirable aquatic life, or undesirable human health effects. [NAR]			Used as pollution indicators: TP in lakes/reservoirs (0.025 mg/L); TP for recreation and aesthetics (0.05 mg/L); Nitrate-N for recreation and aesthetics (4 mg/L); TP for aquatic wildlife (0.05 mg/L); Nitrate-N for aquatic wildlife (4 mg/L); TP for aquatic life in lakes/reservoirs (0.025 mg/L)	Effective September 9 2009	http://water.epa.gov/scitech/s wguidance/standards/wgslibra ry/ut_index.cfm	http://www.waterquality.uta h.gov/WQS/index.htm	
Suspended solids (WWTPs in Chickahominy watershed) - 5.0 mg/L monthly average, with not more than 5% of individual samples to exceed 7.5 mg/L. [NUM] State waters, including wetlands, shall be free from floating materials; toxic substances; substances that produce color, tastes, otherwise which nourish undesirable or nuisance aquatic plant life. [NAR]			9VAC25-260-330 Designated "nutrient enriched waters" which have historical WQ data that indicates nutrient enrichment (chlor. A, DO, and TP).	Effective December 26 2010 With Amendments effective January 6, 2011	http://water.epa.gov/scitech/s wguidance/standards/wqslibra ry/va_index.cfm	http://www.deq.state.va.us/ Programs/Water/WaterQua lityInformationTMDLs.aspx	
A maximum turbidity reading of 3 NTU shall be permissible. [NUM] Waters shall be free of substances attributable to municipal, industrial, or other discharges or wastes as follows: Floating debris, oils, scum, and other matter, Substances producing objectionable color, odor, taste, or turbidity; Substances and conditions or combinations thereof in concentrations which produce undesirable aquatic life; or Exotic or aquatic nuisance species. [NAR]			U.S. Virgin Islands Nutrient Standards Plan - 2010	Effective June 29, 201	http://water.epa.gov/scitech/s Dwguidance/standards/wqslibra ry/territories.cfm	NA	

State has specific numeric Ntrate-N criteria for specific waters ranging from 0.2 mg/L-5.0 mg/L. [NUM] State has specific numeric TP criteria for specific waters ranging from 0.010 mg/L-0.054 mg/L. [NUM]	See eutrophication. [NAR] In all waters, TP loadings/nitrates shall be limited so that they will not contribute to the acceleration of eutrophication or the stimulation of the growth of aquatic biota in a manner that prevents the full support of uses. [NAR]	Numeric DO, varies by class and type of water (5-7 mg/L, 60-95% saturation). [NUM]
TP criteria set for specific lakes at the ambient TP upper limit (e.g. Oligotrophic with ambient TP of > 4-10 µg/L, criterion is 10 µg/L or less. [NUM]		1 day minimum for specific waters ranging from 6.5 -9.5 mg/L for aquatic life. [NUM]
Monthly average of (1 mg/L) TP for specific dischargers. [NLM] AFOs shall use BMPs to achieve phosphorus criterion. [NAR] Atterative TP limits may be made if (1 mg/L) is unachievable. [NAR] Specific nvers - (100 µg/L); Specific lakes/reservoirs - (150 µg/L) Qµg/L); Lake Michigan - (7 µg/L) Lake Superior - (5 µg/L) [NLM]	necessary to support the biologicaland excess amounts of phospi physical characteristics naturally present Effluent limitations for TP to	mg/L during spawning season. [NUM] Streams classified as trout waters by the DNR or as great lakes or cold water communities may not be altered from natural background temperature and dissolved oxygen levels to such an extent that trout populations are adversely und sources, tributaries, and affected. [] 3. The dissolved oxygen in
Nitrate-N (10 mg/L) for human health. [NUM] Nitrite-N (1.0 mg/L) for WWF and wetlands; (0.06 mg/L) for trout waters (aquatic life). [NUM] 3	Chlorophyll-a shall not exceed 20 µg/L for warm water lakes and 10 µg/L for cool water lakes during the period May 1–October 31 [NUM] [NAR]	ned impaired based upon an nexcess of the criterion, terion is also exceeded. Ohio River main stem (aquatic life) - the average concentration shall not be less than 5.0 mg/L at any time or place outside any established mixing zone - provided that a minimum of 5.0 mg/L at any time is maintained during the 4/15-6/15 spawning season. [NUM] Not less than 7.0 mg/L in spawning areas and in no case less than 6.0 mg/L at any time. [NUM]
Nitrates as N (≤ 10,000 μg/L) for human health. [NUM]		State has specific numeric DO criteria for specific water bodies ranging from 3.0 mg/L to 6.0 mg/L for CWF and 4.0 mg/L to 9.5 mg/L for WWF. [NUM]
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No turbidity in such amounts or concentrations that would prevent the full support of uses: [NAR] Total suspended solids, scum, floating solids, color, odor, and taste - none in such concentrations or combinations that would prevent the full support of uses or have an adverse effect on the taste or odor of fish. [NAR] [NUM]			Effective May 13, 2008 http://water.epa.gov/scitech/swguidance/standards/wgslibra effective December 30, 2011 http://www.nrb.state.vt.us/wgp/publications/wgs.pdf	
For specific waters: 5 NTU over background when the background is 50 NTU or less; or a 10 percent increase in turbidity when the background turbidity is more than 50 NTU. [NUM] For specific waters: 10 NTU over background when the background is 50 NTU or less; or a 20 percent increase in turbidity when the background turbidity is more than 50 NTU. [NUM] Toxic, radioactive, or deleterious material concentrations must be below those which have the potential, either singularly or cumulatively, to adversely affect characteristic water uses, cause acute or chronic conditions to the most sensitive biota dependent upon those waters, or adversely affect public health. [NAR] NTU or less; or a 10 percent increase in turbidity when the background is 50 NTU. [NUM]		"Natural conditions" or "natural background levels" means surface water quality that was present before any human-caused pollution. When estimating natural conditions in the headwaters of a disturbed watershed it may be necessary to use the less disturbed conditions of a neighboring or similar watershed as a reference condition. Nutrient Criteria Development in Washington State - Phosphorus Washingon Nutirent Control Plan TP criteria based on trophic state TP criteria based on trophic state as a reference condition.	http://water.epa.gov/scitech/s wguidance/standards/wqsilibra ry/wa_index.cfm Amended May 9, 2011; http://www.ecy.wa.gov/prog rams/wg/swqs/index.html	
Floating or submerged debris, oil, scum or other material shall not be present in such amounts as to interfere with public rights in waters of the state; materials producing color, odor, taste or unsightliness shall not be present in such amounts as to interfere with public rights in waters of the state; substances in concentrations or combinations which are toxic or harmful to humans shall not be present in amounts found to be of public health significance, nor shall substances be present in amounts which are acutely harmful to animal, plant or aquatic life. [NAR] Numeric criteria for substances causing taste and odor ranging from 0.04 µg/L to 5000 µg/L. [NUM]	TP criteria for rivers and streams with unidirectional flow.	"Natural conditions" means the normal daily and seasonal variations in climatic and atmospheric conditions, and the existing physical and chemical characteristics of a water or the course in which it flows.	http://water.epa.gov/scitech/s wquidance/standards/wqslibra ry/w_index.cfm	
Shall not exceed 10 NTU over background turbidity when the background is 50 NTU or less, or have more than a 10% increase in turbidity (plus 10 NTU minimum) when the background turbidity is more than 50 NTU. [NUM] Free from distinctly visible floating or settleable solids, suspended solids, scum, foam or oily slicks; odors in the vicinity of the waters; taste or odor that would adversely affect the designated uses of the affected waters; distinctly visible color, algae blooms or concentrations of bacteria which may impair or interfere with the designated uses of the affected waters; higher the designated uses of the affected waters; distinctly visible color, algae blooms or concentrations of bacteria which may impair or interfere with the designated uses of the affected waters; higher the designated uses of the affected waters. Interfere with the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affect the designated uses of the affected waters. All the vicinty of the waters; taste or odor that would adversely affected waters.			Effective December 16, http://water.epa.gov/scitech/s wguidance/standards/wqsilbra ry/ww_index.cfm Effective June 27, 2011 http://www.dep.wv.gov/WW E/Programs/wqs/Pages/def ault.aspx	
CWF - 10 NTU In all waters, floating and suspended solids, taste, odor, and color producing substances attributable to or influenced by the activities of man shall not be present in quantities negatively impacting the use of the water body. [NAR]		Wyoming Nutrient Criteria Development Plan - April 4, 2008	Effective January 25, 2002 http://water.epa.gov/scitech/s wguidance/standards/wqs/libra ry/wy_index.cfm http://water.epa.gov/scitech/s wguidance/standards/wqs/libra ry/wy_index.cfm http://deq.state.wy.us/wqd/watershed/surfacestandards/index.asp	
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Cell: V1 Comment: Use this for information about EPA and state documentation

Cell: AA1

Comment: Use this column for other notes about the state's WQS

Comment: Use these for terms used in narrative criteria.